

□if a English version is needed, please let me know□

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☐☐ ☐☐☐ email: gulifan@hotmail.com

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# ##### Turing Test #####

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17x17

AlphaGo Zero

19x19 game



Supremacy

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**BRAIN Initiative**

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# AlphaGo Zero Superhuman Quantum Supremacy

**Nature**

AlphaGo Zero 在 Nature 期刊上超越人类 [1] AlphaGo 在围棋领域取得突破，成为第一个在围棋领域超越人类的 AI。AlphaGo Zero 在围棋领域取得突破，成为第一个在围棋领域超越人类的 AI。

game Nature Quantum Supremacy [2]

Shor’s algorithm Quantum Supremacy

qubit NISQnoisy intermediate-scale quantum

Quantum Supremacy Sycamore NISQ noise noise noise

Sycamore AlphaGo Zero

Quantum Supremacy noise

Sycamore Sycamore 200 10000

Quantum Supremacy NISQ John Preskill [3]

Quantum Supremacy Quantum Supremacy Nature

Quantum Supremacy optimization machine learning NISQ noisy Sycamore

noisy

Quantum Supremacy

Nature Superhuman Quantum Supremacy

tensor

[4]

AlphaGo Zero Superhuman Quantum Supremacy

[illegible][illegible]

Académie française

[illegible][illegible][illegible][illegible][illegible][illegible]

smart phone

niche market  
IT

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□ □

[4] Dialogo sopra i due massimi sistemi del mondo (Dialogue Concerning the Two Chief World Systems), Galileo Galilei, published in 1632.